

Title (en)  
DEVICE FOR INHALATION-SYNCHRONISED DISPENSING OF A FLUID PRODUCT

Title (de)  
VORRICHTUNG ZUR INHALATIONSSYNCHRONISIERTEN AUSGABE EINES FLÜSSIGPRODUKTS

Title (fr)  
DISPOSITIF DE DISTRIBUTION DE PRODUIT FLUIDE SYNCHRONISE AVEC L'INHALATION

Publication  
**EP 3717048 A1 20201007 (FR)**

Application  
**EP 18830906 A 20181126**

Priority  
• FR 1761334 A 20171129  
• FR 2018052979 W 20181126

Abstract (en)  
[origin: WO2019106270A1] A device for inhalation-synchronised dispensing of a fluid product, comprising a body (10) provided with a mouthpiece (400), a reservoir (100) containing a fluid product and a propellant gas being axially mounted so as to slide in said body (10), a metering valve (200) being assembled on said reservoir (100) in order to selectively dispense the fluid product, said device comprising an immobilising element (500) which can be moved and/or deformed between a non-actuating position, in which said metering valve (200) cannot be actuated, and an actuating position, in which said metering valve (200) can be actuated, and a triggering system controlled by inhalation, comprising an inhalation-sensitive member (60) that can be deformed and/or moved under the effect of inhalation, said inhalation-sensitive member (60), when it deforms and/or moves, moving and/or deforming said actuating element (500) from its non-actuating position to its actuating position, said device comprising an actuator (20) attached on said reservoir (100), said actuator (20) comprising a proximal wall (22) that is fixed, in particular force-fitted, on the bottom of the reservoir (100), a body (23) sliding axially around said proximal wall (22), and a spring (21) arranged between said proximal wall (22) and a distal wall (24) of said body (23), said body (23) sliding axially around said proximal wall (22) between a rest position and a loaded position, in which said spring (21) is compressed, such that after actuating said triggering system controlled by inhalation, said compressed spring (21) axially moves said reservoir (100) in said body (10) in order to actuate said metering valve (200).

IPC 8 full level  
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CPC (source: EP US)  
**A61M 15/0021** (2014.02 - US); **A61M 15/009** (2013.01 - EP US); **A61M 15/0091** (2013.01 - EP); **A61M 15/0095** (2014.02 - EP US); **A61M 15/0025** (2014.02 - EP US); **A61M 2205/586** (2013.01 - EP); **A61M 2205/8281** (2013.01 - EP US)

Citation (search report)  
See references of WO 2019106270A1

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